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(54) Title: INTEGRIN $\alpha_{IIb}\beta_3$ SPECIFIC ANTIBODIES AND PEPTIDES

| V _H | FR1 | | | | | | | | | | CDR1 | | | | FR2 | | | | CDR2 | | | | FR3 | | | | CDR3 | | | | FR4 | | | | | | | |
|----------------|---------------------------------|--|--|--|--|--|--|--|--|--|-------|--|--|--|----------------|--|--|--|------------------|--|--|--|-----------|--|--|--|---------------------------------|--|--|--|-------------------|--|--|--|-------|--|--|--|
| | 1 | | | | | | | | | | 30 | | | | 31 35 36 | | | | 49 50 | | | | 65 66 | | | | 97 98 | | | | 113 114 118 | | | | | | | |
| RAD87 | EVQLLESGGGGLVQPGGSLRLSCAGSGFTFS | | | | | | | | | | SYAMH | | | | WVRQAPGKGLEWVS | | | | AIGTGGG | | | | TYVADSVKG | | | | RFTISRDNKNSLYLQMNSLRAEDTAVYYCAR | | | | VRVVCRAARRCCYAMDV | | | | WGQGT | | | |
| RAD9 | EVQLLESGGGGLVQPGGSLRLSCAGSGFTFS | | | | | | | | | | SYAMH | | | | WVRQAPGKGLEWVS | | | | AIGTGGG | | | | TYVADSVKG | | | | RFTISRDNKNSLYLQMNSLRAEDTAVYYCAR | | | | VRVVCRAARRCCYAMDV | | | | WGQGT | | | |
| RAD12 | EVQLLESGGGGLVQPGGSLRLSCAGSGFTFS | | | | | | | | | | SYAMH | | | | WVRQAPGKGLEWVS | | | | AIGTGGG | | | | TYVADSVKG | | | | RFTISRDNKNSLYLQMNSLRAEDTAVYYCAR | | | | VRVVCRAARRCCYAMDV | | | | WGQGT | | | |
| RAD34 | EVQLLESGGGGLVQPGGSLRLSCAGSGFTFS | | | | | | | | | | SYAMH | | | | WVRQAPGKGLEWVS | | | | AIGTGGG | | | | TYVADSVKG | | | | RFTISRDNKNSLYLQMNSLRAEDTAVYYCAR | | | | VRVVCRAARRCCYAMDV | | | | WGQGT | | | |
| RAD3 | EVQLLESGGGGLVHPGGSLRLSCAGSGFTFS | | | | | | | | | | SYAMH | | | | WVRQAPGKGLEWVS | | | | AIGTGGG | | | | TYVADSVKG | | | | RFTISRDNKNSLYLQMNSLRAEDTAVYYCAR | | | | VRVVCRAARRCCYAMDV | | | | WGQGT | | | |
| RAD32 | EVQLLESGGGGLVHPGGSLRLSCAGSGFTFS | | | | | | | | | | SYAMH | | | | WVRQAPGKGLEWVS | | | | AIGTGGG | | | | TYVADSVKG | | | | RFTISRDNKNSLYLQMNSLRAEDTAVYYCAR | | | | VRVVCRAARRCCYAMDV | | | | WGQGT | | | |
| RAD80 | EVQLLESGGGGLVHPGGSLRLSCAGSGFTFS | | | | | | | | | | SYAMH | | | | WVRQAPGKGLEWVS | | | | AIGTGGG | | | | TYVADSVKG | | | | RFTISRDNKNSLYLQMNSLRAEDTAVYYCAR | | | | VRVVCRAARRCCYAMDV | | | | WGQGT | | | |
| RAD1 | EVQLLESGGGGLVQPGGSLRLSCAASGFTFS | | | | | | | | | | FYCMS | | | | WVRQAPGKGLEWVS | | | | GVSSSGITTYAASVRG | | | | | | | | RFTISRDNKNSLYLQMNSLRAEDTAVYYCAR | | | | VRTHSRADRRKRYAMDV | | | | WGQGT | | | |

(57) Abstract: The present invention provides integrin $\alpha_{IIb}\beta_3$ specific antibodies and peptides. The antibodies and peptides demonstrate little or no immunoreactivity with other integrins. Methods for inhibiting platelet aggregation using the antibodies and peptides are also provided.

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